

• COLORADO RIVER •
AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

Vol. VIII

JULY 30, 1941

No. 7



Frank E. Weymouth 1874—1941

• COLORADO RIVER •
AQUEDUCT NEWS
 THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

306 WEST THIRD ST.
 LOS ANGELES, CALIFORNIA

*Published monthly in the interest of
 Field and Office Workers on the Colorado
 River Aqueduct, and for the information
 of all other citizens of the Metropolitan
 Water District.*

Vol. VIII July 30, 1941 No. 7

District To Become Operating Utility

Effective August 1, the District becomes an operating organization and enters upon the business of operating and maintaining the largest domestic water supply line in the United States.

The transition from a construction to an operating organization marks the completion in its initial development of the giant Colorado River Aqueduct. It means the successful finish of a tremendous construction job that has been under way without interruption since December 24, 1932. More than eight and a half years have passed since the first advance guard of aqueduct builders landed on the rock-ribbed slopes of the Little San Bernardino Mountains north of Indio on the day before Christmas, 1932, and set about the work of building the first of the several construction camps from which District forces carried forward the task of driving through the 34 miles of the Coachella tunnels.

Shortly after this spearhead of tunnel men set up shop on the desert, other crews of aqueduct builders rolled out upon the 300-mile construction front and the big job was under way full swing. In the peak construction years of 1936-37, there were from ten to eleven thousand men on the job.

Last of the aqueduct features to be completed were the distribution lines serving the District cities. This July the building of the Orange County line was completed, and on July 25 soft and filtered aqueduct water flowed into the local mains of Anaheim, Fullerton and Santa Ana. Previously, the distribution lines into other District cities had been made ready for service, and, in addition to the Orange County cities, aqueduct water was being delivered during July to Pasadena, Burbank, Beverly Hills, Santa Monica, Compton and Torrance. A small supply was also being delivered to the Ascot reservoir for Los Angeles.

Voters of Orange County Coast Areas Authorize First Step Toward Annexation

By a ratio of six to one the people residing in the Orange County south coast area voted on July 29 to organize their respective local water districts into an overlying municipal water district, and thus took the first step toward annexation to the Metropolitan Water District.

Included in the new water district, which is known as the Coastal Municipal Water District, are the Laguna Beach County Water District, the South Coast Water District, the Newport Heights Irrigation District, the Newport Mesa Irrigation District, and several hundred acres of unincorporated coast territory situated north and south of Laguna Beach. Altogether, the new district includes approximately 9,000 acres and has an assessed valuation of about \$10,000,000.

Faced with a constantly increasing water shortage, the representatives of this rapidly growing beach territory several years ago began informal negotiations with officials of the Metropolitan Water District, with the view of working out a plan that would bring a dependable supply of Colorado River Aqueduct water to that area. About a year ago, a formal request for permission to annex to the District was made by the Laguna Beach County Water District and the South Coast Water District. Later the Newport Heights and the Newport Mesa irrigation districts joined in the request.

Following consultations with the

Water Problems Committee of the District Board of Directors and with the office of General Counsel Howard, the representatives of the several south coast areas perfected a plan whereby these several interested areas would organize one overlying district of a type designed to be legally eligible for annexation to the Metropolitan Water District, and at the same time acceptable by the District Board of Directors from the standpoint of size, location and assessed valuation.

Petitions requesting the Orange County Board of Supervisors to call an election on the formation of the proposed municipal water district were circulated and signed by several times the number required by law. At the election held on July 29 the organization of the overlying district was approved by a vote of 1343 to 220. In one of the voting precincts, which included the South Coast Water District, there was not a single vote cast against the proposition.

In presenting to the voters the proposition of organizing the Coastal Municipal Water District, officials of the various local districts pointed out that the only purpose of establishing such a district was to create a general district that would be eligible for annexation to the Metropolitan Water District. The new district authorized by the voters on July 29 does not disturb the various local districts or remove from them any

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- DIRECTORY -

Effective August 1, 1941

BOARD OF DIRECTORS

W. P. Whitsett, Chairman	
Franklin Thomas, Vice-Chairman	
S. H. Finley, Secretary	
Anaheim.....	E. P. Hapgood
Beverly Hills.....	Arthur Taylor
Burbank.....	James L. Norwood
Fullerton.....	Walter Humphreys
Compton.....	Warren W. Butler
Glendale.....	Herman Nelson
Long Beach.....	William M. Cook
Los Angeles.....	Otto J. Emme
Los Angeles.....	Perry H. Greer
Los Angeles.....	Joseph Jensen
Los Angeles.....	D. W. Pontius
Los Angeles.....	John R. Richards
Los Angeles.....	Victor H. Rossetti
Los Angeles.....	W. P. Whitsett
Pasadena.....	Franklin Thomas
San Marino.....	John H. Ramboz
Santa Ana.....	S. H. Finley
Santa Monica.....	Samuel G. McClure
Torrance.....	Charles T. Rippey
Executive Secretary.....	A. L. Gram

OFFICERS REPORTING TO THE BOARD

General Manager and Chief Engineer.....	Julian Hinds
General Counsel.....	James H. Howard
Controller.....	J. M. Luney
Treasurer.....	Ira R. Pontius

GENERAL STAFF

Chief Electrical Engineer.....	J. M. Gaylord
Chief Operation and Maintenance Engineer.....	R. B. Diemer
Assistant to the General Manager.....	Don J. Kinsey
Right of Way and Claims Agent.....	Geo. R. LeBaron
Office Engineer.....	R. A. Skinner
Mechanical Engineer.....	R. M. Peabody
Chief Accountant and Assistant Controller.....	A. W. McKinlay
Assistant Treasurer.....	C. G. Olson
Hydrographic Engineer.....	C. C. Elder
Purchasing Agent.....	E. W. Putnam
Health Officer.....	Dr. Hugh M. Mason

DIVISION ENGINEERS

Field Supt., Pumping Plants.....	T. T. Walsh
Maintenance Engineer, Aqueduct and Transmission Lines.....	Robt. N. Allen
Operating Eng., Softening and Filtration Plant.....	W. W. Aultman

Julian Hinds Becomes General Manager

Julian Hinds, for many years the right hand man of Mr. Weymouth in directing the engineering and administrative affairs of the District, becomes on August 1 the General Manager and Chief Engineer.

At the time the Board of Directors, several months ago, accepted the resignation of Mr. Weymouth, to be effective August 1, Mr. Hinds was named as Mr. Weymouth's successor. As Assistant Chief Engineer of the District, Mr. Hinds for several years has been acting in the capacity of chief engineering and administrative officer of the District in the absence of Mr. Weymouth. It therefore follows that his new title brings to him duties and responsibilities with which he is thoroughly acquainted and has long since demonstrated his capacity ably to fulfill.

Recognized as one of America's foremost designing engineers, Mr. Hinds has been engaged in responsible engineering work on the Colorado River Aqueduct project ever since 1929. He was in charge of and actively directed all of the design work on the giant aqueduct, a job which involved the solving of countless problems that had never been previously encountered on waterway construction programs. The successful manner in which the main aqueduct has been delivering water to Lake Mathews for almost two years is the best indication of the soundness of the plans put into effect by the new General Manager and Chief Engineer.

As Mr. Hinds takes office as General Manager and Chief Engineer on August 1, the District also moves from the status of a construction to an operating organization. With this transition, there becomes effective a new staff organization.

As an operating utility, the District will, of course, continue to be governed by its Board of Directors. Reporting to the Board are four District officers. These are General Manager and Chief Engineer Hinds, General Counsel James H. Howard, Controller James M. Luney, and Treasurer Ira R. Pontius. The Board further has provided that in the absence of Mr. Hinds, Chief Electrical Engineer James M. Gaylord shall perform the duties of the General Manager and Chief Engineer.

Included in the General Staff organization are Mr. Gaylord; R. B. Diemer, as Chief Operation and Maintenance Engineer for the main aqueduct and distribution system; Don J. Kinsey, as As-



Julian Hinds Assumes New Office

sistant to the General Manager; George R. LeBaron, as Right of Way and Claims Agent; R. A. Skinner, as Office Engineer; R. M. Peabody, as Mechanical Engineer; A. W. McKinlay, as Chief Accountant and Assistant Controller; C. G. Olson, as Assistant Treasurer; C. C. Elder, as Hydrographic Engineer; and E. W. Putnam as Purchasing Agent.

Division Engineers are T. T. Walsh, Field Superintendent of Pumping Plants; Robert N. Allen, Maintenance Engineer, Aqueduct and Transmission Lines; W. W. Aultman, Operating Engineer, Softening and Filtration Plant.

Mr. Hinds assumes his new responsibilities as chief engineering and administrative officer of the District after 32 years of active engineering work.

After his graduation from the University of Texas in 1908 as a Civil Engineer, Mr. Hinds spent some time as an instructor in civil engineering and drawing at his alma mater and in design work for the Chicago, Milwaukee, and St. Paul Railway. In 1910 he started as a surveyman with the U. S. Bureau of Reclamation and continued with the Bureau until late in 1926, at which time he held the office of Assistant Chief Designing Engineer in the Denver office.

In the latter part of 1926 he became Resident Engineer for the J. G. White Engineering Corporation at Aguascalientes, Mexico, and was in complete charge of all preliminary work, design, and construction, of the entire Calles Project which included dams, tunnels,

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Frank E. Weymouth Answers Final Call As Great Aqueduct Goes Into Operation

Frank Elwin Weymouth, who for all the years to come will rank as one of the great engineers and builders of America, passed from this mortal earth on the afternoon of July 22, 1941. His death came a few hours after he had suffered a heart attack in his home in San Marino.

Ever since the organization of The Metropolitan Water District of Southern California, Mr. Weymouth had directed the engineering and administrative affairs of the District. Under his matchless leadership and direction, the planning, financing and building of the world's greatest domestic water supply system had been brought to a successful and glorious conclusion.

When the District took over from the City of Los Angeles in 1929 the engineering studies and plans on the Colorado River Aqueduct project, Mr. Weymouth was appointed Chief Engineer of the District, and in February, 1932, he was appointed to the office of General Manager and Chief Engineer.

Since his graduation from the University of Maine in 1896, Mr. Weymouth had continuously been engaged in hydraulic engineering work. For many years he served with the United States Bureau of Reclamation, and for a number of years during that service he was Chief Engineer of the Reclamation Bureau.

Mr. Weymouth's greatest engineering achievement is universally recognized to be the planning and building of the Colorado River Aqueduct. After more than eight years of continuous construc-

tion work, the giant Colorado River Aqueduct began the actual delivery of water to the District cities on June 18. Those who had been associated with Mr. Weymouth in his administration and planning of the giant aqueduct system were able to take some consolation in the knowledge that he had lived to see the successful completion of his greatest and one of the world's greatest engineering enterprises.

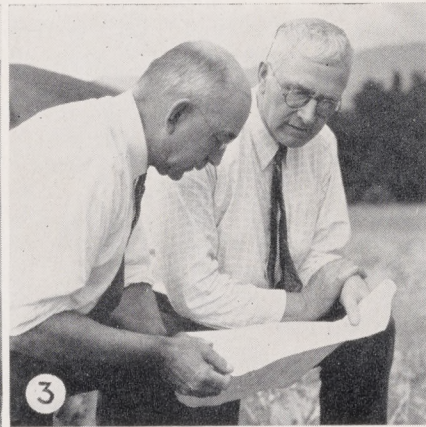
In recognition of his notable contributions in the field of engineering, Mr. Weymouth, several years ago, was made an honorary life member of the American Society of Civil Engineers.

Several months ago Mr. Weymouth requested the Board of Directors of the Metropolitan Water District that he be permitted to retire as the active administrative head of the District, effective August 1 of this year. In making his request, he stated that he felt that failing health necessitated his taking a less active role in District affairs, particularly in view of the fact that the construction of the aqueduct system had been practically completed. The Board accepted Mr. Weymouth's request, and, with the view of retaining his engineering advice and counsel, he was named Consulting Engineer of the District, a position which was to become effective August 1. In accepting Mr. Weymouth's resignation, the Board appointed Julian Hinds General Manager and Chief Engineer. Mr. Hinds, for the past number of years, had been Mr. Weymouth's right hand man, and had held the position of Asst. Chief Engineer.

Mr. Weymouth was born in Medford, Maine, June 2, 1874. After finishing high school at nearby Fort Fairfield, he took a civil engineering course at the University of Maine, graduating with the degree of Bachelor of Science in Civil Engineering in 1896, being subsequently honored by this institution with the degree of Doctor of Engineering in 1934. His first job after graduation was with the City of Malden and later with The Metropolitan Water Board in Massachusetts, on water works construction, the field in which his greatest distinction was to be attained in later life. From this work he went to the city of Winnipeg as Assistant City Engineer, holding this office until June, 1899, when he joined the engineering organization of the Isthmian Canal Commission of the United States Government and was engaged until 1901 in making surveys and studies in connection with the proposed Nicaraguan Canal.

In 1902, when the U. S. Reclamation Service was created, Mr. Weymouth joined its engineering organization and served with this bureau in various capacities continuously for the following 22 years. During his early years with the Service, he was in charge of surveys and investigations for irrigation projects in Montana and North Dakota. In 1908 he became Supervising Engineer in charge of the Idaho District, and in this capacity directed the design and construction of irrigation projects in the Snake River region, an engineering work affecting more than 400,000 acres of land. Among the important structures built under his supervision during this

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During the years when Mr. Weymouth was planning and building the Colorado River Aqueduct. (1) Mr. Weymouth (left) and Julian Hinds, the District's new General Manager and Chief Engineer, examining in 1935 the footprint of some prehistoric animal found in a piece of rock excavated from an aqueduct tunnel at a point 800 feet below the surface of the mountain pierced by the aqueduct bore. (2) This photograph, taken in the fall of 1930, shows Mr. Weymouth (at left) and W. L. Honnold, then a member of the Board of Directors, out on the desert viewing a section of the proposed aqueduct route. (3) The late Thaddeus Merriman (at left) and Mr. Weymouth are here seen in the field in 1931 checking over the route selected for the giant aqueduct.

MONTHLY REPORT REVIEWS ACTIVITIES ALONG THE AQUEDUCT LINE

(EDITOR'S NOTE: The following is a brief summary of some of the activities of the District as set forth in the monthly report of General Manager F. E. Weymouth, filed with the Board of Directors in July, covering work done in June.

Miscellaneous Activities Division

During the month of June, 1941, 20 labor employment applicants were cleared for work on the aqueduct. Of this number, 2 were made available for force account and 18 were made available for aqueduct contractors. Identification certificates were issued to 8 applicants. The net turnover for all positions for May, 1941 was 1.65 per cent as compared with 0.29 per cent for the same month in 1940.

A half-hour broadcast over Columbia's Pacific Coast Network was presented on the evening of June 15 by the Columbia Broadcasting System. The program traced the building of the Colorado River Aqueduct from the beginning with particular reference given to the water softening and filtration plant.

Main Aqueduct

Salvage Division—Stock appraised for transfer to the Banning Salvage Yard to date amounts to \$2,371,428.83. Sales during June amounted to \$17,587.92. Total of salvage disbursements to date amounts to \$1,400,397.17. The appraised value of stock on hand as of June 30, 1941, was \$581,272.08.

Parker Dam and Power Plant—A total of 3060 cubic yards of concrete was placed by the Bureau of Reclamation forces during the month. The substructure was completed to the transformer deck and the superstructure will be started during the month of July.

Electrical Engineering Division

Pumping Plants—The pumping plants were operated intermittently during the month for testing and conditioning aqueduct structures and plant equipment.

Construction—The fifth and last emergency gas-engine generator set was received. Installation of the emergency sets was completed at Eagle Mountain and Hayfield.

Civil Engineering Division

Design—Designs were completed, specifications issued and orders placed for additional structures and equipment at Palos Verdes chlorination station, the north portal of Hollywood Tunnel and for housing to be erected over the open sections of the Puddingstone Spillway near San Dimas on the upper feeder. Plans for the yard sprinkler system and

for the irrigation of the District's citrus trees at the water softening and filtration plant were revised.

Specifications—Bids were opened on June 10, 1941, for the construction of a four-room cottage at Morris Reservoir under Specifications No. 355.

Hydrography—Studies were made of Colorado River conditions with regard to high water in the vicinity of Needles and its relationship to surface elevations in Lake Havasu. A decrease of 1098 acre feet during June brought the storage in Lake Mathews to 94,733 acre feet on the last day of the month.

Distribution Division

Field and Office Engineering—In the field, work consisted of giving lines and grade, inspecting and measuring construction work in progress. In the office right of way descriptions were prepared in connection with the transfer of title to Riverside County of El Sobrante and Cajalco roads. Work continued on historical records.

Contract Work—At the water softening and filtration plant, fences and gates were completed and landscaping of the grounds continued. Work was resumed on the construction of the permanent waste water line at San Jose Creek by the United Concrete Pipe Corporation.

The Glendale-Santa Monica feeder was completed, tested, flushed and put into service. The Orange County feeder was completed and testing was set under way. C. G. Willis and Sons completed excavation at the Orange County Reservoir and 25 per cent of the gunite lining was placed by Macco Construction Company, as subcontractor. John C. Blystone had practically completed the operator's cottage and garage.

Purchasing Division

The total expenditure covered by 351 purchase orders and 11 agreements issued by the division during the month of June, 1941, aggregated approximately \$34,435.00. Carload forwardings totaled 56 of which 22 were cement and 31 salt.

Accounting and Costkeeping

The total cost of the work accomplished to June 30, 1941, was \$193,147,785.95.

Col. Finley Resigns As Secretary of Board



Col. S. H. Finley

Col. S. H. Finley, one of the outstanding leaders of that clear-visioned group of Southern Californians who initiated and subsequently carried through to completion the Boulder Dam and Colorado River Aqueduct projects, is to resign as Secretary of the Board of Directors of the District on August 18.

About two months ago, Col. Finley, who is also the Director for Santa Ana, tendered his resignation as Secretary of the Board. He explained that after his many years of service as the Board's Secretary he wishes now to be relieved of the detailed duties of that office.

When the District Board was permanently organized on February 9, 1929, Col. Finley was unanimously elected to the office of Secretary. He has since been unanimously re-elected six times.

The leadership of Col. Finley in the development of the Boulder Dam and Aqueduct projects dates back to the very beginning of these great enterprises. He was a member of the Executive Committee of the Boulder Dam Association organized in 1923. He was also Secretary of the Colorado River Aqueduct Association formed in 1924 to foster the establishment of the District.

NEWS FROM FIELD AND OFFICE



Miss Elisabeth von Hagen

Concluding more than twelve years of responsible service in helping materially to carry forward the Colorado River Aqueduct from a paper plan to a completed reality, Miss Elisabeth von Hagen has resigned as Secretary to the General Manager and Chief Engineer, effective August 1.

At the time that Mr. Weymouth took over the direction of the aqueduct project early in 1929, Miss von Hagen was selected as his Secretary, and was placed in charge of the office management. Upon the completion of the planning period and the launching of aqueduct construction work, her duties and responsibilities greatly increased. Not only was she in charge of the vast amount of correspondence and paper work passing through the General Manager's office, but she also directed the operations of the District's stenographic staff, its telephone operators and Los Angeles garage.

Every division and section head soon came to rely constantly upon her judgment and advice in the handling of District business. She directed much of the careful work of selecting and training the stenographic and clerical help.

Aqueduct Temperatures

June 16, 1941, to July 15, 1941

	Max.	Min.
Gene Pumping Plant.....	115°	72°
Iron Mt. Pumping Plant.....	116°	72°
Eagle Mt. Pumping Plant.....	115°	72°
Banning	105°	52°
Lake Mathews	98°	51°

Walter J. Neale, who started work for the District early in 1933 and for the past several years has been the Maintenance Engineer on the main aqueduct, recently resigned to accept employment with the Reconstruction Finance Corporation.

* * *

Assistant Treasurer C. G. Olson on July 2 proudly announced the arrival of his second child, Carolyn Rose. The young lady weighed in at 7 pounds, 13/4 ounces, meticulously announced the Assistant Treasurer.

* * *

Jack Williams, of the Mails and Files and Miscellaneous Activities divisions, sent word through the District's Los Angeles offices on July 10 that Carol Jo Williams, 7 pounds, 9 ounces, had safely arrived. The young lady is Jack's second offspring.



L. V. Branch

Having completed his work in the District's Design Division as the last features of the initial development of the aqueduct were finished and made ready for operation in July, L. V. Branch, Senior Engineer terminated his services with the District at the end of this month. Mr. Branch had been in charge of important engineering work, particularly in the Design Division, since June, 1933. In addition to the duties which he performed with the Design Division, Mr. Branch during the period of aqueduct construction work assisted in the grading and selection of many of the engineers employed to direct field and office operations.

Prior to his service with the District, Mr. Branch for many years had been connected with the U. S. Reclamation Bureau, where he held top engineering jobs on a number of the largest reclamation works in the West. He was one of the first small group of men who were selected to make up the original engineering staff of the Reclamation Bureau in 1902.

* * *

Two of the women members of the District's legal staff who are resigning at the end of this month are Miss Ella Gilbert and Miss Vera G. Mayer.



Presiding at the District's Information Desk in the Los Angeles offices these days is Miss Hortense Miller who was formerly engaged in the Personnel-Employment Office and in Accounting.

Two attorneys attached to the District's Legal Division for the past several years have resigned their positions, effective the first of next month. They are Assistant General Counsel Arthur A. Weber, and Attorney Ray W. Bruce.

Judge Weber has held the office of Assistant General Counsel since October 1934, and while connected with the District's Legal Division has been in charge, under General Counsel Howard, of much of the District's condemnation litigation. Before joining the District's legal staff, Judge Weber served from January, 1931, to October, 1934, as the representative of Santa Monica on the District Board of Directors.

Mr. Bruce joined the District's legal staff on September 1, 1931. During more than ten years with the District he handled much of the exacting legal work in connection with specifications and bids.

* * *

Three veteran aqueducters recently transferred their employment activities from former positions to work in the Softening and Filtration Plant. They are Marjorie Howell, Harry Carmody, and W. R. Gowanlock. Mrs. Howell for a number of years was engaged in stenographic and clerical work in the Purchasing Division. She will continue to perform like services at the Softening Plant. Harry Carmody, who has been a member of the District's Los Angeles garage staff ever since the District was established, and W. R. Gowanlock, who for a number of years was a driver for Mr. Weymouth, are both now engaged in maintenance work at the Softening Plant.



Arthur A. Weber

Mrs. Mary J. Prall, who for the past two years has been in charge of the District's personnel-employment office, is terminating her service with the District at the end of July. Mrs. Prall was known—and most favorably known—by the hundreds of applicants and others who passed through the District's employment office. Mrs. Prall's services are being terminated as the District discontinues the operation of the employment office as a separate division.

Seven engineers, all of whom were formerly or are at present in the service of the District, have announced the formation of a new engineering firm, to be known as J. M. Montgomery & Co. Five of the members of the firm, now in the District's organization, are terminating their services the first of next month.

Members of the new firm announced that they are to engage in general engineering practice. They have established offices on the 7th floor of the Metropolitan Water District Building, 306 West Third Street, Los Angeles.

Members of the firm are J. M. Montgomery, formerly a member of Hoover and Montgomery, Consulting Engineers on the District's softening and filtration plant; S. F. Coghlan, Mechanical Engineer with the M.W.D. on design of pumping plants and water systems; C. S. Glazbrook, Structural Engineer for the District in charge of design of transmission lines and structures for the main pumping plants; Evert E. King, Electrical Engineer for the District in the electrical design of pumping plants and general power distribution; B. H. Martin, Construction Engineer for the M.W.D. on the building of two of the aqueduct pumping plants and the water softening plant; N. H. Beaton, Mechanical Engineer with the District, engaged chiefly on reports, specifications, and general office engineering; Daniel A. Elliott, who as the District's Architect was in charge of all architectural work for the M.W.D.

Miss Caroline Fryberg, who completes her work in the Design Division this month, is to be the firm's stenographer.



Two groups of District engineers and former District engineers. (At left) Hugh Jones, Distribution System Engineer, and Office Engineer R. A. Skinner checking over the last links on the Distribution System completed during July. (At right) Six of the seven former District engineers now organized as an engineering company. (From left to right) Evert E. King, N. H. Beaton, S. F. Coghlan, J. M. Montgomery, Daniel A. Elliott, and B. H. Martin. C. S. Glazbrook, also a member of the new firm, is not shown in the group.

Frank E. Weymouth

(Continued from Page 4)

period were the storage dam on the Snake River at Jackson Lake, Wyoming, and the Arrowrock Dam, on the Boise River in Idaho. This latter dam, 349 feet in height, was the highest in the world at the time of its construction.

From 1916 to 1920 Mr. Weymouth served as Chief of Construction in charge of all construction work undertaken by the Reclamation Service in the western states, and in 1920 he was made Chief Engineer of the Bureau, a post which he held until his resignation in October, 1924. During this period the Reclamation Service engineering organization, under Mr. Weymouth's leadership, was one of the pioneers in the development of new methods of dam design and construction which culminated in the successful construction by that bureau some years later of the Boulder Canyon Dam to a maximum height of 720 feet, more than twice that of Arrowrock, which stood unchallenged for so many years after its completion in 1915 as the "world's highest." Indeed, one of Mr. Weymouth's outstanding achievements as Chief Engineer of the Reclamation Service was his work, with the late Arthur P. Davis, at that time Director of the U. S. Reclamation Service, on surveys and the preparation of plans and estimates for the Boulder Dam project. The "Weymouth report" furnished the basis of facts and figures upon which the final decision as to the feasibility of this project rested.

Upon leaving the Reclamation Service Mr. Weymouth became president of the engineering firm of Brock and Weymouth, of Philadelphia, Pennsylvania. In 1926 he severed this connection to take the position of Chief Engineer of the J. G. White Engineering Corporation in Mexico, in charge of all engineering work being handled by that organization for the Republic of Mexico. In this capacity he worked with the National Irrigation Commission of Mexico and was in active charge of all the irrigation and reclamation projects that were carried forward during the administration of President Calles. This work involved extensive investigation of irrigation possibilities throughout the republic and the supervision of the planning and actual construction of a number of important projects. Notable structures were the Don Martin Dam near Nuevo Laredo and the Calles Dam in the state of Aguascalientes. There were several other dams and many miles of canals and laterals, with a variety of incidental structures. This work was

carried out with notable success and dispatch.

In 1929 Mr. Weymouth was retained by the City of Los Angeles as Chief Engineer of Water Works, and placed in charge of the Colorado River Aqueduct studies then being carried forward by that city. Later in the same year he was appointed Chief Engineer of The Metropolitan Water District of Southern California, which had been formed to take over this project, and in 1931 he was appointed to the position of General Manager and Chief Engineer of the District, making him the District's chief administrative officer as well as its chief engineer.

Mr. Weymouth is survived by his widow, Mrs. Barbara Weymouth, and by two sisters, Mrs. Lulie E. Monroe of Burlingame, California, and Mrs. Lillian Herrick of Charleston, Maine, and a brother, Albert J. Weymouth of Washington, D. C.

Active pallbearers at Mr. Weymouth's funeral services were J. M. Gaylord, Julian Hinds, J. M. Luney, John R. Richards, Victor H. Rossetti, and W. P. Whitsett.

Honorary pallbearers were J. C. Agnew, Robert Allen, W. W. Aultman, H. A. Beall, Stanley Bent, L. V. Branch, Warren W. Butler, Dr. John P. Buwalda, W. L. Chadwick, Richard J. Coffey, Frank J. Connolly, William M. Cook, Dr. Egerton Crispin, R. B. Diemer, C. C. Elder, Robert V. Edwards, Otto J. Emme, Col. S. H. Finley, A. L. Gram, P. H. Greer, S. M. Griffith, E. P. Hapgood, W. L. Honnold, James H. Howard, Walter Humphreys, W. W. Hurlbut, N. F. Jamieson, Joseph Jensen, W. A. Johnson, S. A. Joseph, Don J. Kinsey, Geo. R. LeBaron, Col. Charles T. Leeds, A. W. McKinlay, Dr. Hugh M. Mason, Samuel G. McClure, Harvey S. Mudd, Herman Nelson, James L. Norwood, Ira R. Pontius, D. W. Pontius, E. W. Putnam, Fred D. Pyle, R. M. Peabody, John H. Ramboz, E. B. Rider, Charles T. Rippy, Joseph Scott, A. L. Sonderegger, Dr. R. W. Sorensen, Arthur Taylor, Franklin Thomas, Charles H. Toll, H. A. Van Norman, Arthur A. Weber, T. T. Walsh, and Clyde W. Wood.

Speaking for the Board of Directors of The Metropolitan Water District of Southern California, Chairman W. P. Whitsett issued the following statement:

"Mr. Weymouth was a great man in the truest sense of the word. His powers of leadership, fearless integrity, and remarkable engineering ability are of the kind that has builded America."

South Coast Areas

(Continued from Page 2)

of their present functions, it has been explained.

Action of the south coast voters in approving the formation of the Coastal Municipal Water District does not automatically annex that area to the Metropolitan Water District, it has been pointed out. Two more elections are required to be held before annexation to the District may be effected. First it will be necessary for the voters in the newly authorized district to elect five commissioners who will serve as the governing board of the overlying district. After the five commissioners have been elected they may, if they choose, petition the Metropolitan Water District for the right to hold an election on the proposition of annexing to the District. If this petition is approved by the District Board of Directors, the Coastal Municipal Water District may hold another election upon the proposal of annexation. Approval of this proposition by a majority of the votes cast at the election will effect actual annexation to the Metropolitan Water District.

Julian Hinds

(Continued from Page 3)

canals, and appurtenant structures, to complete an irrigation system for about 50,000 acres of land. In 1929 Mr. Hinds accepted the position of engineer in charge of hydraulic design with the Department of Water and Power of the City of Los Angeles, his duties consisting principally of preliminary designs and estimates for the Colorado River Aqueduct. In 1930 he became Chief Designing Engineer for The Metropolitan Water District of Southern California on the Colorado River Aqueduct project, and in 1933 was made Assistant Chief Engineer.

Mr. Hinds has been a member of the American Society of Civil Engineers since 1923, and in 1926 was awarded the Norman Medal of that Society for his paper on "Side Channel Spillways." He is now serving as a member of the American National Committee of the International Commission on Large Dams, and the Southern California Drainage Basin Committee of the National Resources Planning Board. In 1940, the Government appointed Mr. Hinds as a member of the State Board of Registration for Civil Engineers.